

CLAIMS:

- 5 1. A plate for use in a sound attenuating building construction, said plate having first and second spaced apart flanges, each flange being adapted for securement in use to a respective element of said building construction, a resilient connection means extending between adjacent edges of said flanges, said resilient connection means consisting of a folded portion of the plate defining a single substantially "U" or "V" shape.
- 10 2. A plate as claimed in claim 1 in which each of the flanges adjacent said connection means is provided with respective upstanding location means for positioning the plate relative to the elements.
3. A plate as claimed in claim 2 in which said location means includes one or more projections.
- 15 4. A plate as claimed in any one of the preceding claims in which each of the flanges includes a plurality of upstanding nails or a plurality of nail holes.
5. A plate as claimed in any one of the preceding claims in the form of an elongate strip of indeterminate length.
- 20 6. A plate as claimed in any one of the preceding claims wherein at least one of the flanges is folded to provide a first initial flange folded into an end section flange adapted for securement to said respective element.
7. A plate as claimed in any one of the preceding claims adapted for use as a stud and wherein at least one of said flanges is folded over to provide an end flange and an in turned edge.
- 25 8. A building frame including at least a pair of spaced apart frame elements required to be connected together, at least one plate having first and second spaced apart flanges, each flange being secured to a respective said element, a resilient connection means extending between said flanges to space apart said elements, said resilient connection means consisting of a folded portion of the plate defining a single substantially "U" or "V" shape, the arrangement being such that sound
30 acting directly or indirectly on said elements will result in movement of said

resilient connection means to provide sound attenuation characteristics for a building construction in which said frame is incorporated.

9. A building frame as claimed in claim 8 which said elements consist of spaced apart top plates, spaced apart bottom plates, and spaced apart studs.

5 10. A building frame as claimed in claim 8 or claim 9 in which a plurality of said plates are connected between respective pairs of said studs, pairs of said bottom plates and pairs of said top plates and wherein adjacent said plates being connected on alternate sides of said studs, bottom plates and top plates.

10 11. A building frame as claimed in any one of claims 8 to 10 in which the or each of the said plates is in the form of a strip of indeterminate length so as to extend along a required length of said frame elements.

12. A building frame as claimed in any one of claims 8 to 11 in the form of a prefabricated wall.

15 13. A building frame as claimed in claim 8 in which one of said elements is a masonry or concrete wall.

14. A building frame substantially as herein described with reference to any one of the embodiments of the invention and substantially as shown in the accompanying drawings.

20 15. A plate substantially as herein described with reference to any one of the embodiments of the present invention and substantially as shown in the accompanying drawings.